08:15 - 08:45
Press Conference

08:45 - 08:55
Opening Ceremony - all to be seated, door closed by 08:55

08:55
National Anthem & Quran recitation

09:00
Introduction by Conferencier

09:10
Welcome Speech to Dubai (Eng. Dawoud Al Hajri President SoE)

09:15
Welcome to WTC 2018 & ITA General Assembly (ITA President)

09:25
Muir Wood Lecture

10:10
Cultural Performance

10:30
ITACET Foundation Awards to Alfred Haack and CTES - given by HE Al Mogbel, President of ITACET Foundation

10:35
Keynote 1

10:55
Keynote 2 (GEC General Secretary Dr. Kamal Al Hamad)

11:15
Heritage Lecture: Prof. Stefano De Caro

11:45 - 13:00
Opening of Exhibition - Coffee Available

13:00 - 14:00
Lunch

14:00 - 15:40
Technical Session 1:
Major Projects - Governance Session

- 14:00 - 15:00
Session Chair: Eng. Suliman Al Hajri
Session Co-Chair: Ashraf A.M.Abu-Khira

- 14:00 - 14:40
Mohammed Alrayees
Alhassan Abdulredha
Abdu
ning in Dubai Project R2020 - Tunneling - The Eiganestunnel Project - suburban drill and blast tunneling

- 14:20 - 15:00
Anita Di Giulio
Clogging Risk Reduction Analysis of a utility Shield tunneling in urban areas

- 15:00 - 15:40
Jinghua Zhang
A Risk Assessment Methodology for Clogging Evaluation in EPB Machines

- 14:00 - 15:00
Giacomo Greco
Different Effects Analysis of Adjacent Construction to Existing Tunnel in Soft Clay

- 14:20 - 15:00
Tomer Talmon
Severe Rockburst Event - TBM Recovery-A case study

15:40 - 17:00
Technical Session 2:
Advances in Materials

- 15:40 - 16:20
Doug Harding
A Case Study of Geo-Risk Reduction for TAM-EPB Application - TBM Recovery-A case study

- 15:40 - 16:20
Feng Zhao
The Effects of TBM Operational Parameters on Excavation Performance in Complex Geology when Driving Twin Tunnels in Istanbul Nuth Bilgin

17:00 - 19:00
Technical Session 3:
Safety in Design & Construction

- 17:00 - 17:40
Nobilitation of clay waste from tunneling as building material

- 17:40 - 18:20
Shaking Table Test of the Tunnel-shaft Junction of a Utility Shaft Tunnel

- 18:20 - 19:00
An empirical design tool to predict ground surface response to tunnelling with TBM

19:00 - 23:00
ITAtech Industry Reception (by invitation only)
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>07:30</td>
<td>Prime Sponsors Meeting Session</td>
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<td>08:00</td>
<td>Oral Presenters Meeting Session</td>
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<tr>
<td>09:40</td>
<td>Presentation by ITACSUS Co Chairs Han Admiraal and Antonia Cornaro</td>
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<td>10:00</td>
<td>Coffee Break</td>
<td>Odeons</td>
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<td>10:30</td>
<td>Round Tables – Contractual Practices for the 21st Century – Presentation of the ITA/FIDIC Emerald Book</td>
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**Technical Session 5: Smart Cities and Sustainability (ITACSUS)**

**Session Co-Chair: Antonia Cornaro**

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<tr>
<th>Time</th>
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<tr>
<td>14:00</td>
<td>Opening of session</td>
<td>Antonia Cornaro</td>
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<tr>
<td>14:20</td>
<td>Introduction of session chairs and co-chair Stuart Coweney</td>
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<td>14:40</td>
<td>Questions from the audience</td>
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<td>15:00</td>
<td>Coffee Break</td>
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**Technical Session 6: Contract Risks**

**Session Chair: Arnold Dix**

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<tr>
<td>14:40</td>
<td>Crossrail Farrington Station – lessons learned, added value and innova-</td>
<td>Arnold Dix</td>
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<td>15:00</td>
<td>Coffee Break</td>
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**Technical Session 7: Repair and Maintenance**

**Session Chair: Henry Russel**

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<tr>
<td>14:20</td>
<td>ITACUS III: Underground Spaces unveiled</td>
<td>Henry Russel</td>
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<td>15:00</td>
<td>Coffee Break</td>
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**Technical Session 8: Innovative technologies - 1 (ITATACUS)**

**Session Chair: Nick Chittenden**

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<td>15:00</td>
<td>Choice of BIM type for mountain tunnel excavation under very poor</td>
<td>Nick Chittenden</td>
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<td>geological conditions: Hybrid, Skys, Ephi, Dzu, Convertible</td>
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<td></td>
<td>Structure</td>
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<td>15:20</td>
<td>Coffee Break</td>
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**Technical Session 9: Innovative technologies - 2 (ITATACUS)**

**Session Co-Chair: Stuart Marshall**

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**Technical Session 10: Innovative technologies - 3 (ITATACUS)**

**Session Co-Chair: Stuart Marshall**

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<td>15:00</td>
<td>Coffee Break</td>
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**Technical Session 11: Innovative technologies - 4 (ITATACUS)**

**Session Co-Chair: Stuart Marshall**

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**Technical Session 12: Innovative technologies - 5 (ITATACUS)**

**Session Co-Chair: Stuart Marshall**

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**Technical Session 13: Innovative technologies - 6 (ITATACUS)**

**Session Co-Chair: Stuart Marshall**

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<td>15:00</td>
<td>Coffee Break</td>
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WEDNESDAY 25 APRIL

Session Chair: Detlef Jordan
Session Co-Chair: Dr Singh
Session Chair: Amanda Eliff
Session Co-Chair: Naazi Munfah
Session Chair: Jon Hunt
Session Co-Chair: Gerard Seinige
Session Chair: Michael Rispin
Session Co-Chair: Ernesto Schuemperli

09.00 - 09.20
Line C in Rome: the downtown section and the safeguard of the Unesco World Heritage Area
Elliano Romani

09.20 - 09.40
In The Scope Of Uskudar Umrusinya Calimekozy Metro Project, Construction Of The Tbm Tunnels Under Historical Uskudar Square
Serdar Şavk

09.40 - 10.00
Excavating Turkey’s Most Challenging project - The Gerade Water transmission tunnel
Brad Grothen

10.00 - 10.20
The Brenner Base Tunnel, Project Overview and TBM Specifications at the Austrian Side
Michael Rebeck-Sander

10.20 - 10.40
Oslo Follo Line/ Norway – Project Challenges and TBM Solutions
Karin Beepley

10.40 - 10.45
Q&A

10.45 -
Coffee Break

11.15 - 11.35
Tunneling Studies for CERN’s Future Circular Collider
Werner Dell’piazza | John Osborne

11.35 - 11.55
Ultra-long subsea tunnel under the Gulf of Finland
Klaus Wachter

11.55 - 12.15
TBM Tunneling below the Suzai Canal in Challenging Ground Conditions containing Methane Gas
Derek Williams

12.15 - 12.35
Escavating Mexico City’s Mega-Tunnel in Mixed Ground at 250 Meters Deep Emisor Oriente Wastewater Tunnel Lot 5
Roberto Gonzalez

12.35 - 12.55
The Freja’s Safety Tunnel the Italian side
Giovanna Cassani

12.55 - 13.00
Q&A

13.00 - 14.00
Lunch
| 14:00 - 14:20 | Session Chair: Martin Knights | Design and Construction of Bored Tunnels for Mumbai Metro Line 3 | Makarand Khare | Session Co-Chair: Ron Tuzek | The ‘Do Nothing’ Solution for two Heritage Listed Brick Lined Tunnels Impacted by Motorway Construction Above | Andrew Noble |
| 14:20 - 14:40 | | The Cenot/Base Tunnel: The construction experience of the southern portion of the flat railway line crossing the Swiss Alps | Davide Merlino | |
| 14:40 - 15:00 | Session Chair: Stefan Medel | Using Tunnel Boring Machine Penetration Tests to Quantify Performance in Hard Rock | Marlene Villeneuve | 15:00 - 15:20 | Mechanical Behavior of Mountain Tunnel during Earthquake Based on Dynamic Measurement in an Actual Tunnel | Stefano Fusco |
| 15:00 - 15:10 | Session Chair: Martin Knights | Coffee Break | | |
| 15:40 - 16:00 | Session Chair: Ron Tuzek | Monitoring the San Mamés tunnel, a NATM tunnel in an urban area: lessons learned | Josep Raventos | 15:40 - 16:00 | An Experimental Study on the Performance Characteristics of Automatic Monitor System in Double-Deck Tunnel | Giordana Gal |
| 16:00 - 16:20 | | Impact of the Rock Mass Quality on the cost of the Conventional Excavation: The experience acquired during the execution of the Brenner Base Tunnel | Raffaele Zurlo | 16:00 - 16:20 | Transient Effects in Ventilation Design for Rail Tunnels | Marco Bettolino |
| 16:20 - 16:40 | | Mechanical behavior of the semi-rigid immersed tunnel structure based on the Hong Kong Zhuhai Macau Bridge Project | Peng Li | 16:20 - 16:40 | Intelligent Longitudinal Ventilation Control of Long Road Tunnels | Yixin Zhang |
| 16:40 - 17:00 | | Proceedings of the Transport and Immersion Operations of the N31 Aqueduct in Harlingen, The Netherlands | Gina de Rooij | 16:40 - 17:00 | Numerical study on water jet fire extinguishing system for performance verification | Yangkyun Kim |
| 17:00 - 17:30 | | Closing Ceremony | | |
| 18:00 - 19:30 | | Gala Dinner | | |